

## QUARTERLY SUMMARY: Infant Death and Birth Indicators

### INTRODUCTION

Infant mortality- or the death of a baby before his/her first birthday- is a critical indicator of community health. Every year in Franklin County, approximately 150 babies die before their first birthdays. While national infant mortality rates are decreasing, in 2016, Ohio ranked 7th worst in the nation for overall infant mortality. Additionally, Black babies in Ohio are dying at over twice the rate of White babies. In Columbus and Franklin County, much of this disparity is driven by babies being born too soon and too small, as well as babies being placed to sleep on an unsafe

sleep space. This quarterly report provides a detailed and historical picture of the most up-to-date data on infant death and selected birth indicators, in order to 1) provide timely information to individuals and organizations, 2) guide collaborations and interventions, and 3) measure progress. Some numbers are not finalized.

Data notes, definitions, and information for additional correspondences can be found in <u>Appendix A</u>. Additional charts and tables can be found in <u>Appendix B</u>.

## **QUARTERLY HIGHLIGHTS**

- During the 1<sup>st</sup> quarter of 2018, the infant mortality rate (IMR) increased compared to last quarter and was above the Healthy People 2020 (HP2020) goal of ≤6.0 per 1,000 live births.
- Compared to last quarter, the percentage of non-Hispanic Black (NHB) Infant Deaths decreased and is higher than the goal of ≤28%. The NHB and non-Hispanic White (NHW) infant mortality rate ratio decreased in the 1<sup>st</sup> quarter and was above the goal of less than or equal to 1.94.
- The overall percentage of pre-term births (PTB) increased slightly compared to last quarter, and was above the March of Dimes 2020 (MoD2020) goal of ≤8.1%. The overall percentage of low birth weight (LBW) births in the 1<sup>st</sup> quarter decreased slightly compared to last quarter and is above the HP2020 goal of ≤7.8%.

## DASHBOARD (Click here to view larger dashboard)

Indicators	Current Quarter	Current Quarter's Value	% Change Chart from Last Quarter (-)   (+)	# Quarters	Quarterly Goal	Achieved Quarterly Goal	YTD <sup>†</sup> Value	Yearly Goal	YTD <sup>†</sup> vs. Goal Chart
Infant Deaths									
Infant Mortality Rate	1	9.3 per 1,000 live births	31%	1 🛦	≤6 <sup>1</sup>	×	9.3	≤6 <sup>1</sup>	Better HP <sup>2</sup> goal Worse
Infant Death Number	1	40	18%	1 🛦	≤28.3 <sup>1</sup>	×	40	≤113 <sup>1</sup>	Lower Q1, Q2, & Q3 YD2 qoals y Yearly Higher goal
NHB to NHW Infant Mortality Rate Disparity Ratio	1	2.6	-17%	1 ▼	≤1.94*	×	2.6	≤1.94*	Lower Similar to 1990-94 Higher
NHB Percentage of Infant Deaths	1	52.5%	-11%	1 ▼	≤28%**	×	52.5%	≤28%**	Lower Similar to NHB Higher Birth Percentage
Sleep-Related Infant Mortality Rate	1	2.33 per 1,000 live births	>10	0% 2 ▲	≤0.84 <sup>1</sup>	×	2.33	≤0.84 <sup>1</sup>	Lower HP <sup>1</sup> goal Higher
Births									0
Preterm Birth Percentage	1	10.9% of births	3%	1 🛦	≤8.1% <sup>2</sup>	×	10.9%	≤8.1% <sup>2</sup>	
Low Birth Weight Percentage	1	9.1% of births	-2%	1 ▼	≤7.8% <sup>1</sup>	×	9.1%	≤7.8% <sup>1</sup>	Better HPI Worse

<sup>&</sup>lt;sup>1</sup>Healthy People (HP) 2020 goal. Death number goal(s) based on 6.0 infant deaths per 1,000 live births applied to the average births in Franklin County from 20012-16.

<sup>&</sup>lt;sup>2</sup>In 2015, the March of Dimes (MoD) set a goal of lowering the national preterm birth rate to 8.1 percent of all births by 2020.

<sup>\*1990-1994</sup> Infant Mortality Rate Disparity Ratio.

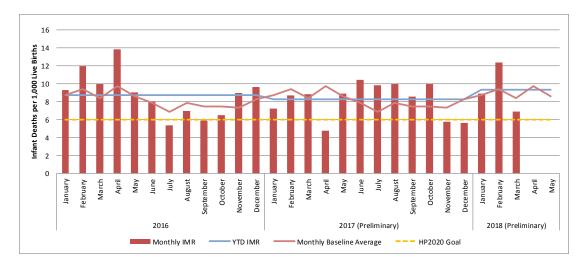
<sup>\*\*</sup>Based on the average percentage of Non-Hispanic Black births in Franklin County from 2012-2016.

Year-to-date up through the end of the quarter

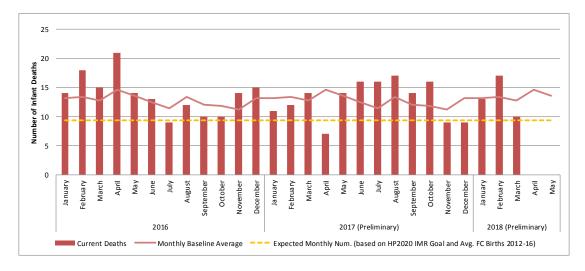
## INFANT DEATH INDICATORS

During the 1<sup>st</sup> quarter of 2018, all three of the monthly IMRs were above the Healthy People 2020 (HP2020) goal of  $\leq$ 6.0 infant deaths per 1,000 live births. For the entire 1<sup>st</sup> quarter, the IMR of 9.3 was above the HP2020 goal of  $\leq$ 6.0. All three 3<sup>rd</sup> quarter monthly IMRs were higher among NHBs compared to NHWs.

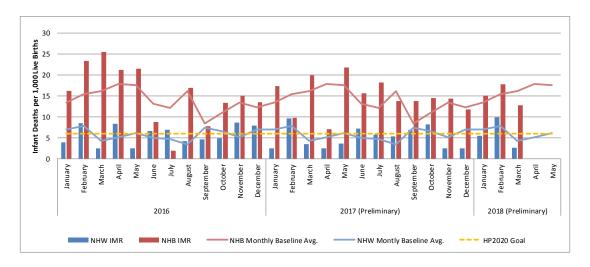
## Infant Mortality Rate by Month and Year



## Infant Death Number by Month and Year



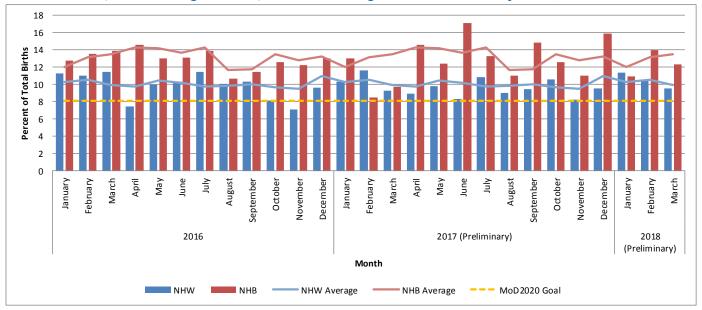
## Infant Mortality Rate by Race, Month, and Year



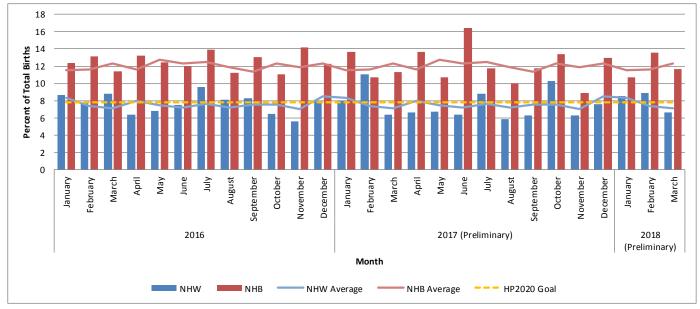
## **BIRTH INDICATORS**

The preterm birth (PTB) rate for non-Hispanic Blacks (NHB) in Franklin County is typically higher than that for non-Hispanic Whites (NHW), as well as typically higher than the March of Dimes 2020 (MoD2020) goal ( $\leq$ 8.1%). During the 1<sup>st</sup> quarter of 2018, two out of three monthly NHB PTB rates were higher than their corresponding monthly NHW PTB rates. For the entire 1<sup>st</sup> quarter of 2018, the NHB PTB rate (12.4%) was about 1.2 times higher than the NHW PTB rate (10.4%). Similarly, the low birth weight (LBW) rate for non-Hispanic Blacks in Franklin County is usually higher than that for non-Hispanic Whites, as well as the HP2020 goal of  $\leq$ 7.8%. During the 1<sup>st</sup> quarter of 2018, all the monthly NHB LBW rates were higher than their corresponding monthly NHW LBW rates. For the entire 1<sup>st</sup> quarter of 2018, Franklin County's NHB LBW rate (12.0%) is about 1.5 times higher than the NHW LBW rate (8.0%).

### Preterm Births (<37 weeks gestation) as a Percentage of Total Births by Race, Month and Year



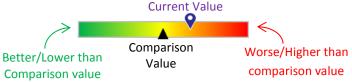
## Low Birth Weight Births (<2,500 grams) as a Percentage of Total Births by Race, Month and Year



## **APPENDIX A: Definitions and Data Notes**

**Comparison Chart:** The comparison chart features a single, primary measure (for example, current year-to-date infant mortality rate), and compares that measure to one or more other measures to enrich its meaning (for example, compared to a target/goal rate or baseline value), and displays it in the context of ranges of performance, such as higher, lower, or similar.

How to read the comparison charts in the dashboard (measure based on indicator row's unit):



#### **Data Sources**

**Birth Indicators:** Preterm birth and low birth weight birth information are obtained from birth certificate data. Columbus Public Health downloads files from the Ohio Department of Health Secure Data Warehouse. All files up through 2016 are finalized. Data for 2017 and 2018 are preliminary, with information for the most recent three months being the least stable. Analysis is completed by the Office of Epidemiology, Population Health Division at Columbus Public Health.

**Cause of Infant Death:** Sleep-related infant death information is provided by the Franklin County Child Fatality Review program.

**Infant Mortality:** Infant mortality information is obtained from death certificate data provided by the Ohio Department of Health, Office of Vital Statistics. All files up through 2016 are finalized. Data for 2017 and 2018 are preliminary, with information for the most recent three months being the least stable. Analysis is completed by the Office of Epidemiology, Population Health Division at Columbus Public Health.

**Disparity Ratio (Health Disparity Ratio):** A measure of health disparity, it examines the rate of one group relative to the rate of the comparison or reference group. The ratio is calculated by dividing the rate for the group of interest (typically minority groups) by the rate for the reference group (typically non-Hispanic Whites). If the ratio is greater than one, the existence of a specified condition or indicator is more common for the group of interest compared to the reference group. If the ratio is less than one, the existence of a specified condition or indicator is less common for the group of interest compared to the reference group.

Disparity Ratio0.9 - 1.11.2 - 1.9 OR 0.8 - 0.62.0 or higher OR 0.5 or lowerDisparity AssessmentLittle or no disparityDisparity existsLarge disparity exists

**Healthy People 2020 (HP2020) Goals:** Science-based, 10-year national objectives for improving the health of all Americans, covering multiple topics, including maternal, infant, and child health.

**Historical Franklin County, OH Baseline Average(s):** Historical averages for Franklin County, OH are calculated by month using data from years 2012 through 2016.

Low Birth Weight Birth: A low birth weight birth is a birth to a baby who weighs less than 2,500 grams.

March of Dimes 2020 (MoD2020) Goal: In 2015, the March of Dimes (MOD) set a goal of lowering the national preterm birth to 8.1 percent of all births by 2020.

Preterm Birth: A preterm birth is a birth to a baby who is younger than 37 weeks of gestation.

### **Race and Ethnicity Categories**

NHW = Non-Hispanic ethnicity with White race
NHB = Non-Hispanic ethnicity with Black or African American race
Hispanic = Hispanic ethnicity despite race category
Other/Unknown = Non-Hispanic ethnicity with American Indian, Asian, or Native Hawaiian/Pacific Islander race;
unknown ethnicity and/or race

Sleep-Related Infant Deaths: Infants who died unexpectedly in their sleep.

## **QUESTIONS AND COMMENTS**

Please forward questions and comments to Kathy Cowen, MS, Director, Office of Epidemiology, Columbus Public Health via phone: <u>(614) 645-6252</u>, or e-mail: <u>kathyc@columbus.gov</u>.

## **APPENDIX B: Additional Charts and Tables**

## **QUARTERLY DASHBOARD**

Indicators	Current Quarter	Current Quarter's Value	% Change Chart from Last Quarter (-)   (+)	# Quarters	Quarterly Goal	Achieved Quarterly Goal	YTD <sup>†</sup> Value	Yearly Goal	Υ	ΓD <sup>†</sup> vs. Goal Cha	ırt
Infant Deaths											
Infant Mortality Rate	1	9.3 per 1,000 live births	31%	1 🛦	≤6 <sup>1</sup>	×	9.3	≤6 <sup>1</sup>	Better	HP <sup>2</sup> goal	Worse
Infant Death Number	1	40	18%	1 🛦	≤28.3 <sup>1</sup>	×	40	≤113 <sup>1</sup>	Lower	Q1, Q2, & Q3 YTD goals	Higher
NHB to NHW Infant Mortality Rate Disparity Ratio	1	2.6	-17%	1 ▼	≤1.94*	×	2.6	≤1.94*	Lower	Similar to 1990-94 baseline	Higher
NHB Percentage of Infant Deaths	1	52.5%	-11%	1 ▼	≤28%**	×	52.5%	≤28%**	Lower	Similar to NHB Birth Percentage	Higher
Sleep-Related Infant Mortality Rate	1	2.33 per 1,000 live births	>100	0% <b>2</b> 🛦	≤0.84 <sup>1</sup>	×	2.33	≤0.84 <sup>1</sup>	Lower	HP <sup>1</sup> goal	Higher
Births										_	
Preterm Birth Percentage	1	10.9% of births	3%	1 🛦	≤8.1% <sup>2</sup>	×	10.9%	≤8.1% <sup>2</sup>	Better	MoD <sup>2</sup> goal	Worse
Low Birth Weight Percentage	1	9.1% of births	-2%	1 ▼	≤7.8% <sup>1</sup>	×	9.1%	≤7.8% <sup>1</sup>	Better	HP <sup>1</sup> goal	Worse

<sup>&</sup>lt;sup>1</sup>Healthy People (HP) 2020 goal. Death number goal(s) based on 6.0 infant deaths per 1,000 live births applied to the average births in Franklin County from 20012-16.

<sup>&</sup>lt;sup>2</sup>In 2015, the March of Dimes (MoD) set a goal of lowering the national preterm birth rate to 8.1 percent of all births by 2020.

<sup>\*1990-1994</sup> Infant Mortality Rate Disparity Ratio.

<sup>\*\*</sup>Based on the average percentage of Non-Hispanic Black births in Franklin County from 2012-2016.

<sup>&</sup>lt;sup>†</sup>Year-to-date up through the end of the quarter

## FREQUENCY AND RATE OF INFANT DEATHS BY RACE AND ETHNICITY, FRANKLIN COUNTY, 2016 - PRESENT

Month		All		Non-H	ispanic	White	Non-	Hispanic	Black		Hispanio	;	Oth	er/Unkno	wn
WOITH	2016	2017*	2018*	2016	2017*	2018*	2016	2017*	2018*	2016	2017*	2018*	2016	2017*	2018*
January	14	11	13	3	2	4	8	8	7	1	1	1	2	0	1
February	18	12	17	7	7	7	10	4	8	1	1	0	0	0	2
March	15	14	10	2	3	2	11	9	6	1	1	0	1	1	2
1st Quarter Total	47 (10.4)	37 (8.3)	40 (9.3)	12 (5.0)	12 (4.9)	13 (5.9)	29 (21.4)	21 (15.8)	21 (15.1)	3 (8.5)	3 (8.8)	1 (2.8)	3 (7.7)	1 (2.6)	5 (15.1)
April	21	7		7	2		9	3		4	0		1	2	
May	14	14		2	3		10	10		1	0		1	1	
June	13	16		6	6		4	7		3	1		0	2	
2nd Quarter Total	48 (10.2)	37 (8.1)	0 (N/A)	15 (5.8)	11 (4.4)	0 (N/A)	23 (17.0)	20 (14.9)	0 (N/A)	8 (22.0)	1 (3.0)	0 (N/A)	2 (5.0)	5 (12.8)	0 (N/A)
July	9	16		6	5		1	9		2	1		0	1	
August	12	17		4	5		8	7		0	1		0	4	
September	10	14		4	6		4	7		1	0		1	1	
3rd Quarter Total	31 (6.1)	47 (9.5)	0 (N/A)	14 (5.2)	16 (5.9)	0 (N/A)	13 (8.6)	23 (15.2)	0 (N/A)	3 (6.8)	2 (5.2)	0 (N/A)	1 (2.3)	6 (16.0)	0 (N/A)
October	10	16		4	7		6	7		0	1		0	1	
November	14	9		7	2		7	7		0	0		0	0	
December	15	9		6	2		7	6		0	1		2	0	
4th Quarter Total	39 (8.4)	34 (7.1)	0 (N/A)	17 (7.0)	11 (4.4)	0 (N/A)	20 (13.9)	20 (13.5)	0 (N/A)	0 (N/A)	2 (5.0)	0 (N/A)	2 (4.8)	1 (2.7)	0 (N/A)
Yearly Total	165 (8.7)	155 (8.2)	40 (9.3)	58 (5.7)	50 (4.9)	13 (5.9)	85 (15.0)	84 (14.8)	21 (15.1)	14 (9.1)	8 (5.5)	1 (2.8)	8 (4.9)	13 (8.6)	5 (15.1)

Numbers in parentheses are infant mortality rates (number of infant deaths per 1,000 live births).

<sup>\*</sup>Preliminary

# FREQUENCY AND RATE OF NEONATAL INFANT DEATHS BY RACE AND ETHNICITY, FRANKLIN COUNTY, 2016 - PRESENT

Month		All		Non-H	ispanic	White	Non-l	Hispanic E	Black	ŀ	Hispanio	С	Othe	er/Unkno	own
WOTH	2016	2017*	2018*	2016	2017*	2018*	2016	2017*	2018*	2016	2017*	2018*	2016	2017*	2018*
January	12	10	10	3	2	4	6	7	5	1	1	0	2	0	1
February	13	8	13	4	5	7	8	2	5	1	1	0	0	0	1
March	10	8	4	1	2	2	8	4	1	1	1	0	0	1	1
1st Quarter Total	35 (7.7)	26 (5.8)	27 (6.3)	8 (3.3)	9 (3.7)	13 (5.9)	22 (16.2)	13 (9.8)	11 (7.9)	3 (8.5)	3 (8.8)	0 (N/A)	2 (5.1)	1 (2.6)	3 (9.1)
April	19	6		5	1		9	3		4	0		1	2	
May	7	11		1	2		5	9		0	0		1	0	
June	10	10		5	6		3	3		2	0		0	1	
2nd Quarter Total	36 (7.7)	27 (5.9)	0 (N/A)	11 (4.3)	9 (3.6)	0 (N/A)	17 (12.6)	15 (11.2)	0 (N/A)	6 (16.5)	0 (N/A)	0 (N/A)	2 (5.0)	3 (7.7)	0 (N/A)
July	7	15		5	5		0	9		2	1		0	0	
August	9	13		3	3		6	7		0	1		0	2	
September	5	12		2	6		2	6		0	0		1	0	
3rd Quarter Total	21 (4.1)	40 (8.0)	0 (N/A)	10 (3.7)	14 (5.2)	0 (N/A)	8 (5.3)	22 (14.5)	0 (N/A)	2 (4.5)	2 (5.2)	0 (N/A)	1 (2.3)	2 (5.3)	0 (N/A)
October	5	12		3	4		2	6		0	1		0	1	
November	11	6		5	1		6	5		0	0		0	0	
December	12	5		4	1_		6	4		0	0		2	0	
4th Quarter Total	28 (6.0)	23 (4.8)	0 (N/A)	12 (5.0)	6 (2.4)	0 (N/A)	14 (9.7)	15 (10.1)	0 (N/A)	0 (N/A)	1 (2.5)	0 (N/A)	2 (4.8)	1 (2.7)	0 (N/A)
Yearly Total	120 (6.3)	116 (6.2)	27 (6.3)	41 (4.1)	38 (3.7)	13 (5.9)	61 (10.8)	65 (11.5)	11 (7.9)	11 (7.2)	6 (4.1)	0 (0.0)	7 (4.2)	7 (4.6)	3 (9.1)

Numbers in parentheses are infant mortality rates (number of infant deaths per 1,000 live births).

<sup>\*</sup>Preliminary

## FREQUENCY AND RATE OF POST-NEONATAL INFANT DEATHS BY RACE AND ETHNICITY, FRANKLIN COUNTY, 2016 - PRESENT

Month		All		Non-H	ispanic	White	Non-H	lispanic	Black		Hispanio	C	Oth	er/Unkn	own
MOHIH	2016	2017*	2018*	2016	2017*	2018*	2016	2017*	2018*	2016	2017*	2018*	2016	2017*	2018*
January	2	1	3	0	0	0	2	1	2	0	0	1	0	0	0
February	5	4	4	3	2	0	2	2	3	0	0	0	0	0	1
March	5	6	6	1	1	0	3	5	5	0	0	0	1	0	1
1st Quarter Total	12 (2.7)	11 (2.5)	13 (3.0)	4 (1.7)	3 (1.2)	0 (N/A)	7 (5.2)	8 (6.0)	10 (7.2)	0 (N/A)	0 (N/A)	1 (2.8)	1 (2.6)	0 (N/A)	2 (6.0)
April	2	1		2	1		0	0		0	0		0	0	
May	7	3		1	1		5	1		1	0		0	1	
June	3	6		1	0		1	4		1	1		0	1	
2nd Quarter Total	12 (2.6)	10 (2.2)	0 (N/A)	4 (1.6)	2 (0.8)	0 (N/A)	6 (4.4)	5 (3.7)	0 (N/A)	2 (5.5)	1 (3.0)	0 (N/A)	0 (N/A)	2 (5.1)	0 (N/A)
July	2	1		1	0		1	0		0	0		0	1	
August	3	4		1	2		2	0		0	0		0	2	
September	5	2		2	0		2	1		1	0		0	1	
3rd Quarter Total	10 (2.0)	7 (1.4)	0 (N/A)	4 (1.5)	2 (0.7)	0 (N/A)	5 (3.3)	1 (0.7)	0 (N/A)	1 (2.3)	0 (N/A)	0 (N/A)	0 (N/A)	4 (10.7)	0 (N/A)
October	5	4		1	3		4	1		0	0		0	0	
November	3	3		2	1		1	2		0	0		0	0	
December	3	4		2	1		1	2		0	1		0	0	
4th Quarter Total	11 (2.4)	11 (2.3)	0 (N/A)	5 (2.1)	5 (2.0)	0 (N/A)	6 (4.2)	5 (3.4)	0 (N/A)	0 (N/A)	1 (2.5)	0 (N/A)	0 (N/A)	0 (N/A)	0 (N/A)
Yearly Total	45 (2.4)	39 (2.1)	13 (3.0)	17 (1.7)	12 (1.2)	0 (0.0)	24 (4.2)	19 (3.4)	10 (7.2)	3 (2.0)	2 (1.4)	1 (2.8)	1 (0.6)	6 (3.9)	2 (6.0)

Numbers in parentheses are infant mortality rates (number of infant deaths per 1,000 live births).

<sup>\*</sup>Preliminary

## FREQUENCY OF BIRTHS BY RACE AND ETHNICITY, FRANKLIN COUNTY, 2016 - PRESENT

Month		All		Non-H	ispanic V	Vhite	Non-Hi	spanic E	Black	F	lispanic		Othe	r/Unkno	wn
WOITH	2016	2017*	2018*	2016	2017*	2018*	2016	2017*	2018*	2016	2017*	2018*	2016	2017*	2018*
January	1,504	1,522	1,455	762	815	729	495	461	467	124	124	136	123	122	123
February	1,507	1,374	1,374	836	731	710	429	412	451	112	113	108	130	118	105
March	1,506	1,588	1,455	819	883	766	433	452	470	116	103	116	138	150	103
1st Quarter Total	4,517	4,484	4,284	2,417	2,429	2,205	1,357	1,325	1,388	352	340	360	391	390	331
April	1,520	1,466		849	815		426	431		109	102		136	118	
May	1,546	1,578		825	847		467	459		128	117		126	155	
June	1,622	1,531		903	846		458	450		126	118		135	117	
2nd Quarter Total	4,688	4,575	0	2,577	2,508	0	1,351	1,340	0	363	337	0	397	390	0
July	1,674	1,631		865	877		524	496		131	130		154	128	
August	1,723	1,706		954	946		476	510		160	129		133	121	
September	1,698	1,632		880	869		515	512		149	126		154	125	
3rd Quarter Total	5,095	4,969	0	2,699	2,692	0	1,515	1,518	0	440	385	0	441	374	0
October	1,539	1,601		831	857		453	486		115	143		140	115	
November	1,556	1,570		820	826		467	489		135	121		134	134	
December	1,560	1,599		766	839		523	509		126	135		145	116	
4th Quarter Total	4,655	4,770	0	2,417	2,522	0	1,443	1,484	0	376	399	0	419	365	0
Yearly Total	18,955	18,798	4,284	10,110	10,151	2,205	5,666	5,667	1,388	1,531	1,461	360	1,648	1,519	331

<sup>\*</sup>Preliminary

# FREQUENCY AND PERCENTAGE OF LOW BIRTH WEIGHT BIRTHS BY RACE AND ETHNICITY, FRANKLIN COUNTY, 2016 - PRESENT

Month		All		Non-F	lispanic \	White	Non-l	Hispanic	Black		Hispanic		Other/Unknown			
WIOTHI	2016	2017*	2018*	2016	2017*	2018*	2016	2017*	2018*	2016	2017*	2018*	2016	2017*	2018*	
January	153	150	132	66	65	62	61	63	50	13	8	6	13	14	14	
February	148	157	140	64	81	63	56	44	61	14	13	6	14	19	10	
March	144	137	119	72	56	51	49	51	55	4	9	4	19	21	9	
1st Quarter	445	444	391	202	202	176	166	158	166	31	30	16	46	54	33	
Total	(9.9%)	(9.9%)	(9.1%)	(8.4%)	(8.3%)	(8.0%)	(12.3%)	(12.0%)	(12.0%)	(8.8%)	(8.8%)	(4.4%)	(11.8%)	(14.0%)	(10.0%)	
April	131	139		54	54		56	59		8	9		13	17		
May	132	119		56	57		58	49		11	6		7	7		
June	142	146		68	54		55	74		10	9		9	9		
2nd Quarter	405	404	0	178	165	0	169	182	0	29	24	0	29	33	0	
Total	(8.7%)	(8.8%)	(N/A)	(6.9%)	(6.6%)	(N/A)	(12.5%)	(13.6%)	(N/A)	(8.0%)	(7.1%)	(N/A)	(7.3%)	(8.5%)	(N/A)	
July	178	160		83	77		73	58		6	7		16	18		
August	147	128		77	55		53	51		8	10		9	12		
September	165	136		73	55		67	60		9	9		16	12		
3rd Quarter	490	424	0	233	187	0	193	169	0	23	26	0	41	42	0	
Total	(9.6%)	(8.5%)	(N/A)	(8.6%)	(6.9%)	(N/A)	(12.8%)	(11.2%)	(N/A)	(5.2%)	(6.8%)	(N/A)	(9.3%)	(11.2%)	(N/A)	
October	127	176		54	88		50	65		7	15		16	8		
November	143	123		46	52		66	43		12	13		19	15		
December	147	146		61	64		64	66		14	6		8	10		
4th Quarter	417	445	0	161	204	0	180	174	0	33	34	0	43	33	0	
Total	(9.0%)	(9.3%)	(N/A)	(6.7%)	(8.1%)	(N/A)	(12.5%)	(11.7%)	(N/A)	(8.8%)	(8.5%)	(N/A)	(10.3%)	(9.0%)	(N/A)	
Voorby Total	1,757	1,717	391	774	758	176	708	683	166	116	114	16	159	162	33	
Yearly Total	(9.3%)	(9.1%)	(9.1%)	(7.7%)	(7.5%)	(8.0%)	(12.5%)	(12.1%)	(12.0%)	(7.6%)	(7.8%)	(4.4%)	(9.7%)	(10.7%)	(10.0%)	

Percentages are calculated excluding birth records with missing birth weight information.

<sup>\*</sup>Preliminary

# FREQUENCY AND PERCENTAGE OF PRETERM BIRTHS BY RACE AND ETHNICITY, FRANKLIN COUNTY, 2016 - PRESENT

Month		All		Non-F	lispanic V	White	Non-l	Hispanic I	Black		Hispanic		Other/Unknown			
MOHUI	2016	2017*	2018*	2016	2017*	2018*	2016	2017*	2018*	2016	2017*	2018*	2016	2017*	2018*	
January	173	166	158	86	84	83	63	60	51	14	12	9	10	10	15	
February	177	148	159	92	85	74	58	35	63	16	16	8	11	12	14	
March	176	153	151	94	82	73	60	44	58	6	9	9	16	18	11	
1st Quarter	526	467	468	272	251	230	181	139	172	36	37	26	37	40	40	
Total	(11.7%)	(10.4%)	(10.9%)	(11.3%)	(10.3%)	(10.4%)	(13.4%)	(10.5%)	(12.4%)	(10.2%)	(10.9%)	(7.2%)	(9.5%)	(10.3%)	(12.1%)	
April	155	161		63	73		62	63		15	13		15	12		
May	165	158		82	83		61	57		12	9		10	9		
June	176	166		92	70		60	77		10	8		14	11		
2nd Quarter	496	485	0	237	226	0	183	197	0	37	30	0	39	32	0	
Total	(10.6%)	(10.6%)	(N/A)	(9.2%)	(9.0%)	(N/A)	(13.6%)	(14.7%)	(N/A)	(10.2%)	(8.9%)	(N/A)	(9.9%)	(8.2%)	(N/A)	
July	199	189		99	95		73	66		10	13		17	15		
August	170	159		96	85		51	56		15	8		8	10		
September	176	184		91	82		59	76		12	18		14	8		
3rd Quarter	545	532	0	286	262	0	183	198	0	37	39	0	39	33	0	
Total	(10.7%)	(10.7%)	(N/A)	(10.6%)	(9.7%)	(N/A)	(12.1%)	(13.1%)	(N/A)	(8.4%)	(10.1%)	(N/A)	(8.8%)	(8.8%)	(N/A)	
October	147	176		68	91		57	61		7	14		15	10		
November	150	148		58	68		57	54		22	16		13	10		
December	167	181		74	80		68	81		15	11		10	9		
4th Quarter	464	505	0	200	239	0	182	196	0	44	41	0	38	29	0	
Total	(10.0%)	(10.6%)	(N/A)	(8.3%)	(9.5%)	(N/A)	(12.6%)	(13.2%)	(N/A)	(11.7%)	(10.3%)	(N/A)	(9.1%)	(7.9%)	(N/A)	
Yearly Total	2,031	1,989	468	995	978	230	729	730	172	154	147	26	153	134	40	
Tearry Total	(10.7%)	(10.6%)	(10.9%)	(9.8%)	(9.6%)	(10.4%)	(12.9%)	(12.9%)	(12.4%)	(10.1%)	(10.1%)	(7.2%)	(9.3%)	(8.8%)	(12.1%)	

Percentages are calculated excluding birth records with missing gestational age information.

<sup>\*</sup>Preliminary